

CLAIMS

1. An information record medium comprising:
still picture information which includes at least one still
5 picture;
audio information;
reproduction control information which reproduces the
audio information in synchronization with reproduction of the still
picture information,
10 wherein the reproduction control information includes
audio repeat information for controlling repeat reproduction of
the audio information synchronized with the still picture
information.
- 15 2. The information record medium according to claim 1,
wherein the reproduction control information includes
still picture repeat information for controlling the repeat
reproduction of the still picture information.
- 20 3. The information record medium according to claim 1,
wherein the reproduction control information defines reproduction
timing of the audio information with using a reproduction time
axis of the still picture as reference.
- 25 4. The information record medium according to claim 3,
wherein the reproduction control information is defined such that
the audio information is reproduced only during reproduction of
the still picture.
- 30 5. The information record medium according to claim 1,
wherein the audio repeat information indicates whether or not to
repeatedly reproduce the audio information.
6. The information record medium according to claim 1,

wherein the still picture repeat information indicates whether or not to repeatedly reproduce the still picture information.

7. The information record medium according to claim 6,
5 wherein each piece of the still picture information is constructed by an item unit defining a reproduction sequence of still picture contents, and wherein the still picture repeat information includes continue information indicating whether or not to reproduce subsequent still picture information as one reproduction sequence.

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8. An information record apparatus comprising:
a first record unit which records still picture information including at least one still picture and audio information; and
a second record unit which records reproduction control
15 information for reproducing the audio information in synchronization with reproduction of the still picture information,

wherein the second record unit records the reproduction control information so that the reproduction control information
20 includes audio repeat information for controlling repeat reproduction of the audio information synchronized with the still picture information.

9. An information record method comprising:
25 a first record process which records still picture information including at least one still picture and audio information; and
a second record process which records reproduction control information for reproducing the audio information in
30 synchronization with reproduction of the still picture information,

wherein the second record process records the reproduction control information so that the reproduction control information includes audio repeat information for controlling repeat

reproduction of the audio information synchronized with the still picture information.

10. An information reproduction apparatus for
5 reproducing an information record medium comprising: still picture information which includes at least one still picture; audio information; and reproduction control information which reproduces the audio information in synchronization with reproduction of the still picture information, the reproduction control information
10 including audio repeat information for controlling repeat reproduction of the audio information synchronized with the still picture information, the apparatus comprising:

a reading unit which reads the still picture information, the audio information and the reproduction control information
15 from the information record medium;

a still picture reproduction unit which reproduces the still picture information; and

an audio reproduction unit which reproduces the audio information in synchronization with reproduction of the still
20 picture information in accordance with the audio repeat information in the reproduction control information.

11. An information reproduction method for reproducing an information record medium comprising: still picture information
25 which includes at least one still picture; audio information; and reproduction control information which reproduces the audio information in synchronization with reproduction of the still picture information, the reproduction control information including audio repeat information for controlling repeat
30 reproduction of the audio information synchronized with the still picture information, the method comprising:

a reading process which reads the still picture information, the audio information and the reproduction control information from the information record medium;

a still picture reproduction process which reproduces the still picture information; and

an audio reproduction process which reproduces the audio information in synchronization with reproduction of the still 5 picture information in accordance with the audio repeat information in the reproduction control information.

12. An information record reproduction apparatus comprising an information record unit and an information 10 reproduction unit,

wherein the information record unit includes: a first record unit which records still picture information including at least one still picture and audio information; and a second record unit which records reproduction control information for 15 reproducing the audio information in synchronization with reproduction of the still picture information,

wherein the second record unit records the reproduction control information so that the reproduction control information includes audio repeat information for controlling repeat 20 reproduction of the audio information synchronized with the still picture information, and

wherein the information reproduction unit includes:
a reading unit which reads the still picture information, 25 the audio information and the reproduction control information from the information record medium;

a still picture reproduction unit which reproduces the still picture information; and

an audio reproduction unit which reproduces the audio information in synchronization with reproduction of the still 30 picture information in accordance with the audio repeat information in the reproduction control information.

13. An information record reproduction method comprising an information record process and an information reproduction

process,

wherein the information record process includes: a first record process which records still picture information including at least one still picture and audio information; and a second record process which records reproduction control information for reproducing the audio information in synchronization with reproduction of the still picture information,

wherein the second record process records the reproduction control information so that the reproduction control information includes audio repeat information for controlling repeat reproduction of the audio information synchronized with the still picture information, and

wherein the information reproduction process includes:
a reading process which reads the still picture information,
the audio information and the reproduction control information from the information record medium;
a still picture reproduction process which reproduces the still picture information; and
an audio reproduction process which reproduces the audio information in synchronization with reproduction of the still picture information in accordance with the audio repeat information in the reproduction control information.

14. A computer program executed on a computer, making the computer function as:

a first record unit which records still picture information including at least one still picture and audio information; and a second record unit which records reproduction control information for reproducing the audio information in synchronization with reproduction of the still picture information,

wherein the second record unit records the reproduction control information so that the reproduction control information includes audio repeat information for controlling repeat

reproduction of the audio information synchronized with the still picture information.

15. A computer program comprising still picture information including at least one still picture, audio information and reproduction control information which reproduces the audio information in synchronization with reproduction of the still picture information, executed on a computer so that the reproduction control information reproduces an information record medium including audio repeat information for controlling repeat reproduction of the audio information synchronized with the still picture information, and making the computer function as:
- 5 a reading unit which reads the still picture information, the audio information and the reproduction control information from the information record medium;
 - 10 a still picture reproduction unit which reproduces the still picture information; and
 - 15 an audio reproduction unit which reproduces the audio information in synchronization with reproduction of the still picture information in accordance with the audio repeat information in the reproduction control information.

16. A computer program executed on a computer, making the computer function as an information record reproduction apparatus comprising an information record unit and an information reproduction unit,
- 20 wherein the information record unit includes a first record unit which records still picture information including: at least one still picture and audio information; and a second record unit which records reproduction control information for reproducing the audio information in synchronization with reproduction of the still picture information,
 - 30 wherein the second record unit records the reproduction control information so that the reproduction control information

includes audio repeat information for controlling repeat reproduction of the audio information synchronized with the still picture information, and

wherein the information reproduction unit includes:

5 a reading unit which reads the still picture information, the audio information and the reproduction control information from the information record medium;

 a still picture reproduction unit which reproduces the still picture information; and

10 an audio reproduction unit which reproduces the audio information in synchronization with reproduction of the still picture information in accordance with the audio repeat information in the reproduction control information.

15 17. A data structure comprising a control signal, still picture information including at least one still picture, audio information and reproduction control information for reproducing the audio information in synchronization with reproduction of the still picture information,

20 wherein the reproduction control information includes audio repeat information for controlling repeat reproduction of the audio information synchronized with the still picture information.